MAT-8491US PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

To Be Assigned

Applicant:

Sanae Asayama, et al

Filed:

Herewith

Title:

MIXER CIRCUIT AND HIGH FREQUENCY SIGNAL

RECEIVER USING THE SAME.

TC/A.U.: Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the reference listed on the PTO 1449 (RP) submitted herewith. A copy of the listed reference is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese reference is not in the English language but a partial English translation and an English abstract thereof are attached to the copy of the reference submitted herewith:

1) JP 52132710

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References 1) also includes a "concise explanation" under 37 CFR §1.98(a)(3) which is set forth in the background portion of the specification at page 8.

This Information Disclosure Statement is being filed concurrently with the above-

referenced application.

Respectfully submitted,

Lawrence E. Ashery, Reg. No. 34,515 Attorney for Applicant

LEA:ds

Enclosures: PTO Form 1449

(2) References

Dated: November 25, 2003

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EXPRESS MAIL

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EL 992923887 US

November 25, 2003

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathreen Libby

KAttleen

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

C mplete if Kn wn			
Application Number	To Be Assigned		
Filing Date	Herewith		
First Named Inventor	Sanae Asayama, et al		
Art Unit			
Examiner Name			
Attorney Docket No.	MAT-8491US		

	U.S. PATENT DOCUMENTS					
	Cite	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
		JP 52-132710 (w/English abstract and partial English translation)	11/07/1977	Toshiba Corp	Entire Document	
Examiner Signature				Date Considered		

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.

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See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Substitute for Form 1449B/PTO	Complet if Kn wn		
	Application Number	To Be Assigned	
INFORMATION DISCLOSURE	Filing Date	Herewith	
STATEMENT BY APPLICANT	First Named Inventor	Sanae Asayama, et al.	
(Use as many sheets as necessary)	Art Unit		
	Examiner Name		
SHEET 2 of 2	Attorney Docket No.	MAT-8491US	

NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²		
		BEHZAD RAZAVI, "RF Microelectronics," Chap. 5, Transceiver Architectures, Section 5.2.3, Image-Reject Receivers, 1998, pp.138-146			
Examiner	1	Date			

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